IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
Manufacturer: Sharp
Firmware Version: N/A
Model(s): PN-S655, PN-S525, PN-E601, PN-E521

Version History:

Driver Version	Date	IP Link Compiler	GC2 Version	Notes
3	03/09/2010	1.4.0	3.0.3	Added model PN-E601 and PN-E521
2	06/05/2009	1.3.11.1	2.5.1	Added model PN-S525.
1	03/17/2009	1.3.11.1	2.5.0	Initial version.

Driver Notes:

An input must be selected and bidirectional communication between the display and control device is required for 'Aspect Ratio' to work properly.

Control Commands & States:

Aspect Ratio	Normal	Wide	Dot by Dot
	Zoom 1	Zoom 2	
Audio Mute	On	Off	
Auto Image[1]	Execute		
Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
On Screen Display	On	Off	
Picture In Picture	Off	PIP	PBP
	PBP 2		
PIP Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
PIP Size	1 - 12		
Power Control	On	Off	
Volume (Discrete)	0 - 31		

[1]: Only available for PC3 and PC4.

Status Available:

Aspect Ratio	Normal	Wide	Dot by Dot
	Zoom 1	Zoom 2	
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
On Screen Display	On	Off	
Picture In Picture	Off	PIP	PBP
	PBP 2		
PIP Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
Power Control	On	Off	
Volume (Discrete)	0 - 31		

MLC62 Supported Commands:

Audio Mute	On	Off	
Auto Image[1]	Execute		
Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
On Screen Display	On	Off	
Picture In Picture	Off	PIP	PBP
	PBP 2		
PIP Input	PC1	PC2	PC3
	PC4	AV1	AV2
	AV3	AV4	AV5
PIP Size	1 - 12		
Power Control	On	Off	
Volume (Discrete)	0 - 31		

[1]: Only available for PC3 and PC4.

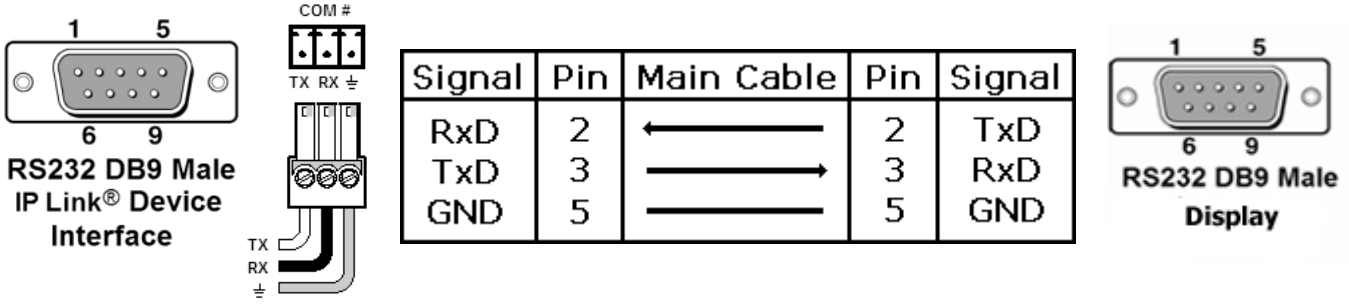
Cable and Adapter Requirements:
F/F RS-232 straight serial cable.

Notes for the Device:

Serial communication:

Port Type:	RS-232C	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RxD	2	←	2	TxD
TxD	3	→	3	RxD
GND	5	—	5	GND

Note: Captive screw connector may also be used as a serial connection.

General Notes: